

General Information

1992
Video: 2 Head Rotary
Audio: Linear Fixed 1
Channel
Covers Models
Akai VS-F261/ VS-F262
VS-F265/VS-F270
VS-F275/VS-F290

Matrix

Item	See Model
Mechanical Parts View	Akai VS-422/425 89/90 Book.
Mechanical Adjustments	Akai VS-F10/11 91/92 Book.
Replacement Pinch Roller	Akai VS10/11 91/92 Book.

Mechanical Parts List

Description	Part No.
6SET20X030SCM PKR FP	ZS-374458
6SET30X080SCM PKR CP	ZG-373900
Arm Coupling	ML-387311J2
Arm Damper	ML-391745J3
Arm Lid Opener	ML-387350J1
Arm Loading BLK 425EA	BL-V1102A140A
Arm Loading Brake	ML-387423J
Arm Review Part	ML-387277J3
Arm Shutter	ML-38734912
Base Drum	MA-387474J3
Head Combo HVMZA1121A	HR-405340J
Head E H VFME0020A	HE-390013J
Holder D-LED	MZ-387430J
Holder FE Head Part B	MZ-402760J1
Holder FPC	SZ-387388J
Holder Lever Tension (2)	SZ-407187J2
Holder Photo Sensor	MZ-387446JT
Holder S Sensor	MZ-387445J
Holder Thrust Worm	MR-387406J
Idler Part	MI-387294J
Leader S BLK 425EA	V-V1102A070A
Leader S BLK 425EA	BV-V1102A080A
Lever Damper (S)	ML-387345J
Lever Damper(T)	ML-387346J
Lever Lock Release	ML-387344J
Lever Trigger	ML-387402J1
Lower Drum BLK X400EGN	BV-V1123A410A

Head Motors and Miscellaneous

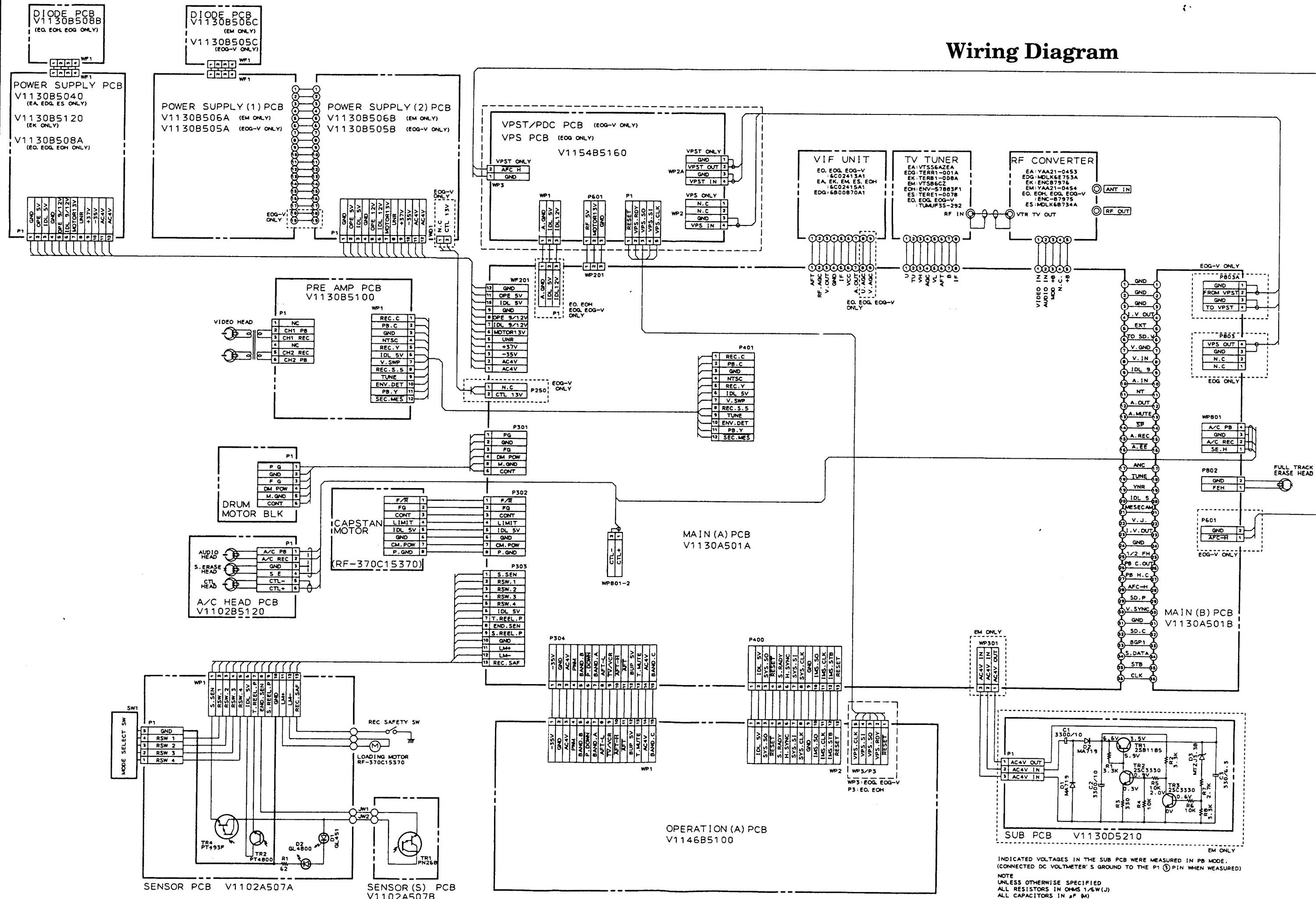
Part No.	Description
BV-V1123A410A	Lower Drum BLK X400EGN
BV-V1123A420A	Upper Drum BLK X400EGN
BM-401296J	Motor E20EL89 (Drum Motor)
HR-405340J	Head Combo HVMZA1121A
HE-390013J	Head VFME0020A
BM-400682J1	Motor DFX-67B3VWB1 (Capstan Motor)
BM-387503J	Motor Part (Loading Motor)

Recommended Safety Parts

Item	Part No.	Description
D71, 72	ED-511907	D Silicon 1N4002 100/1.0A EM
FR201	ER-400959J	R Fuse V TO5 ERD2FCV 1/4W 1200G
FR202, 501	ER-404093J	R Fuse V TO5 RF25SCVTP1/14WR56K
FR350	ER-400729J	R Fuse V TO5 RF25SCVTP1/4WR47K
FR601	ER-331188	R Fuse H S10 ERD2FC 1/4W BR2J EOG
RL101	EQ-400153J	Relay POW AG2013 1TR 12V EM
TR1, 5, 9, 13	ET-366365	TR 2SB1185 E,F
TR12	ET-405622J	TR 2SD2061 E,F
BT-403873J	Trans Pow V1130 EO (Except EOG-V)	
BT-403883J	Trans Pow V1130 EOG-V (EOG-V)	
BT-403872J	Trans Pow V1130 EK	
BT-403252J	Trans Pow V1130 EA	

Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description
Belt Capstan	MB-387289J	Main Brake (S) Part	ML-387316J	PW26X060X050PSL	ZW-389923J	SP Pull Review Brake	ZG-387323J	ST PAN30X06STL	ZG-387468J	SP Pull Slider	ZG-387272J	SP Pull Tension	ZG-387272J	CMT C080
BID20X04STL CMT	ZS-464703	Main Brake (T) Part	ML-387318J	PW31X110X050PSL	ZW-389814J	SP Pull Toggle	ZG-387414J1	SW Leaf	ZG-387438J1	SP Push A/C	ZG-387403J	SP Torsion Arm Damper	ZG-385567J	MTS1011MPC1
BID26X08STL CMT	ZS-563444	Mecha Deck BLK F260EA	BB-V1130A020H	Retaining Ring Grip	ZW-332843	SP Torsion Coupling	ZG-388290J1	SW Mode Select	ZG-387421J	SP Torsion Damper (T)	ZG-387421J	SP Torsion Damper(S)	ZG-392831J	TR Photo PN268 (TR1)
BID30X03STL CMT	ZS-425981	Motor DFX-67B3VWB1	(Capstan Motor)	380STL ACP	ML-387321J	SP Torsion Load (2)	ZG-387417J	TR Photo PT 4800 (TR2)	ZG-387418J	SP Torsion Load (S)	ZG-387418J	SP Torsion Load (T)	ZG-387420J1	TR Photo PT 493F (TR4)
BID30X08STL CMT	ZS-321298	Motor E20EL89	(Drum Motor)	Review Brake Part	ML-387286J1	SP Torsion Release	ZG-387282J	Upper Drum BLK 425EA	ZG-387443J	SP Torsion Review	ZG-387443J	SP Trigger	ZS-358936	Tension Arm BLK 425EA
Cassette Load BLK 425EA	BV-V1102A150A	Motor Part	MZ-387330J	Slider Brake Part	ML-387324J1	ST BID30X06STL CMT	ZS-336714	Tension Band Part	ZS-358936	Slider Front Loading	ML-387428J	ST BID30X06STL CMT	ZS-336714	TR Photo PN268 (TR1)
CMT BID30X08STL CMT	ZS-321298	(Gear Worm Part)	NUT Review	Slider Pinch Part	ML-387431J1	ST BID30X12STL CMT	ZS-336714	TR Photo PT 4800 (TR2)	ZG-387418J	Slider Trigger (2)	ML-404944L	ST BID30X12STL CMT	ZS-336714	TR Photo PT 493F (TR4)
Cord FFC P1 25 L=12013P (WP1)	EW-389313J	PAN20X02STL BZN PS1	ZS-404844J	SLIT W17X032X025PSL	ZW-374445	SP Torsion Release	ZG-387282J	Upper Drum BLK X400EGN	ZS-344754	Socket 174074-5 SP (P1)	ZW-387492J	SP Torsion Review	ZG-387443J	BV-V1123A420A
D LED GL451 Infrared (D1)	ED-390011J	PAN26X12STL CMT	ZS-467796	EJ-381837J	EJ-387497J	SP Loading Brake	ZG-387467J	ST BID30X06STL CMT	ZS-344754	Pinch Roller (2) Part	MR-404852J	SP Loading Brake	ZG-387467J	ST BID30X06STL CMT
D LED GL4800 Infrared (D2)	ED-390012J	PC () SENSOR	ZS-379350	Pinch Housing	5062-30-10-13 (PS1)	SP Plate Earth	ZG-392294J	ST BID30X12STL CMT	ZS-336714	5062-30-10-13 (PS1)	MR-406134J	SP Plate Holder	ZG-387348J1	ST BID30X12STL CMT
Disk (2) Part	MT-390954J1	Pinch Roller (2) Part	EA-387496J	5062-30-10-13 (PS1)	EJ-387497J	SP Pull Main Brake	ZG-387320J	ST PAN30X06STL CMT	ZS-336714	Plate Upper (2)	ZS-365149	SP Pull Main Brake	ZG-387320J	CMT C080
Disk Clutch Part	MZ-387298J3	PT BID26X06STL CMT	ZS-389950J	PT BID26X10ST CMT	ZS-389950J	SP Pull Main Brake	ZS-344754	ST PAN30X06STL CMT	ZS-344754	PT BID30X06STL CMT	ZS-358936	SP Pull Main Brake	ZS-344754	CMT C080
Earth Brush Part AG	VT-401282J	PT BID30X06STL CMT	ZS-358936	Pulley Trigger(2)	MR-391968J	SP Pull Main Brake	ZS-344754	ST PAN30X06STL CMT	ZS-344754	Pulley Trigger(2)	ZS-344754	SP Pull Main Brake	ZS-344754	CMT C080
Gear Eject	MZ-387335J	Head Combo HVMZA1121A	HR-405340J	Head E H VFME0020A	HE-390013J	SP Pull Main Brake	ZS-344754	ST PAN30X06STL CMT	ZS-344754	Head E H VFME0020A	HE-390013J	SP Pull Main Brake	ZS-344754	CMT C080
Gear Front Loading	MZ-387333J	Holder D-LED	MZ-387430J	Holder FE Head Part B	MZ-402760J1	SP Pull Main Brake	ZS-344754	ST PAN30X06STL CMT	ZS-344754	Holder D-LED	MZ-387430J	SP Pull Main Brake	ZS-344754	CMT C080
Gear Slam Slider	MZ-387331J	Holder FPC	SZ-387388J	Holder Lever Tension (2)	SZ-407187J2	SP Pull Main Brake	ZS-344754	ST PAN30X06STL CMT	ZS-344754	Holder FPC	SZ-387388J	SP Pull Main Brake	ZS-344754	CMT C080
Gear Toggle(S) BLK 425EA	MZ-V1102A090A	Holder Lever Tension (2)	SZ-407187J2	Holder Photo Sensor	MZ-387446JT	SP Pull Main Brake	ZS-344754	ST PAN30X06STL CMT	ZS-344754	Holder Photo Sensor	MZ-387446JT	SP Pull Main Brake	ZS-344754	CMT C080
Gear Toggle(T) BLK 425EA	MZ-V1102A100A	Holder Photo Sensor	MZ-387446JT	Holder S Sensor	MZ-387445J	SP Pull Main Brake	ZS-344754	ST PAN30X06STL CMT	ZS-344754	Holder S Sensor	MZ-387445J	SP Pull Main Brake	ZS-344754	CMT C080
Gear Worm Wheel	MZ-387332J	Holder S Sensor	MZ-387445J	Holder Thrust Worm	MR-387406J	SP Pull Main Brake	ZS-344754	ST PAN30X06STL CMT	ZS-344754	Holder Thrust Worm	MR-387406J	SP Pull Main Brake	ZS-344754	CMT C080
Guide Front (2)	SE-395554J	Holder Thrust Worm	MR-387406J	Idler Part	MI-387294J	SP Pull Main Brake	ZS-344754	ST PAN30X06STL CMT	ZS-344754	Idler Part	MI-387294J	SP Pull Main Brake	ZS-344754	CMT C080
Guide Roller D8 PART	T-387394J1	Idler Part	MI-387294J	Leader S BLK 425EA	V-V1102A070A	SP Pull Main Brake	ZS-344754	ST PAN30X06STL CMT	ZS-344754	Leader S BLK 425EA	V-V1102A070A	SP Pull Main Brake	ZS-344754	CMT C080
Head Combo HVMZA1121A	HR-405340J	Leader S BLK 425EA	V-V1102A070A	Lever Damper (S)	ML-387345J	SP Pull Main Brake	ZS-344754	ST PAN30X06STL CMT	ZS-344754	Lever Damper (S)	ML-387345J	SP Pull Main Brake	ZS-344754	CMT C080
Head E H VFME0020A														

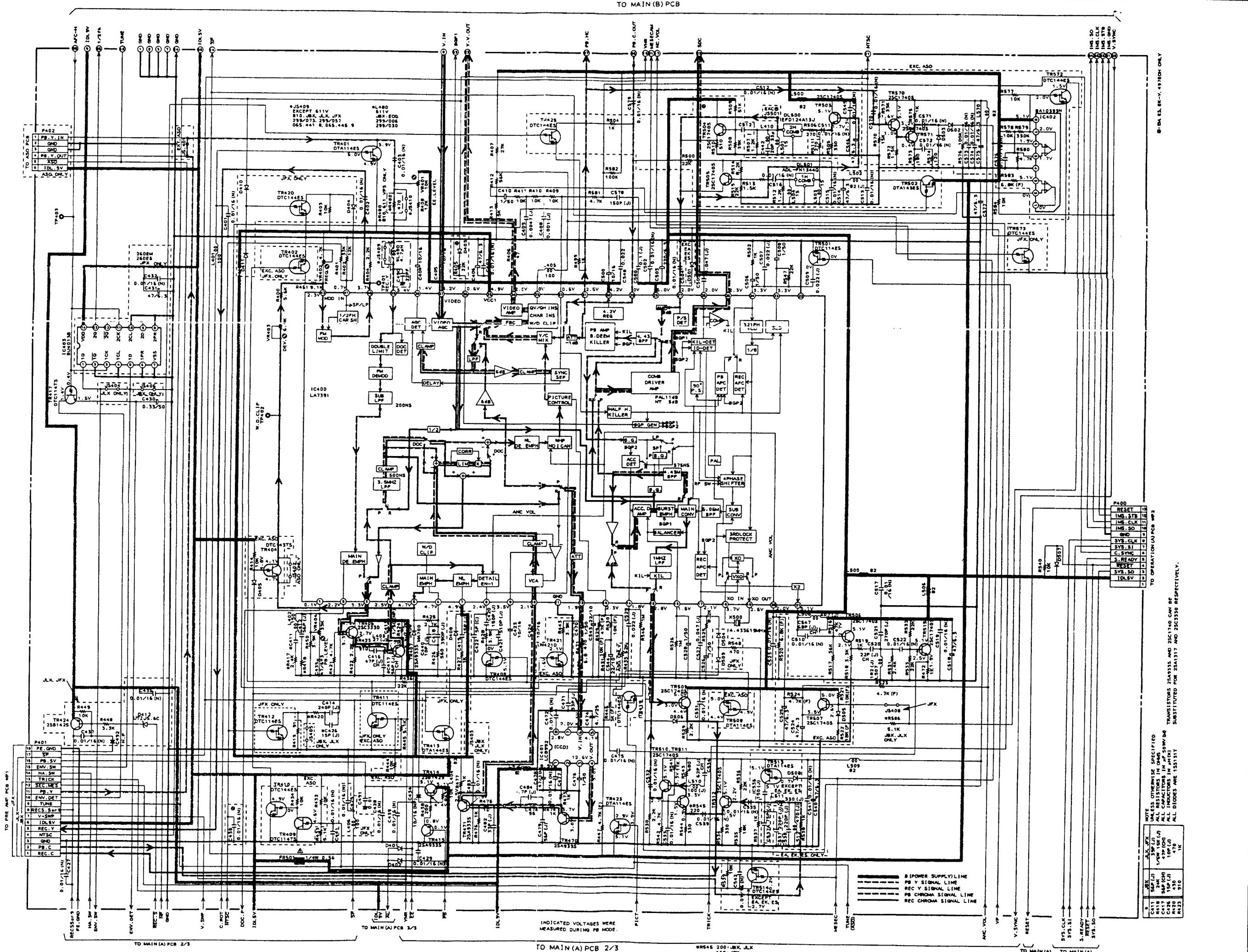
Wiring Diagram

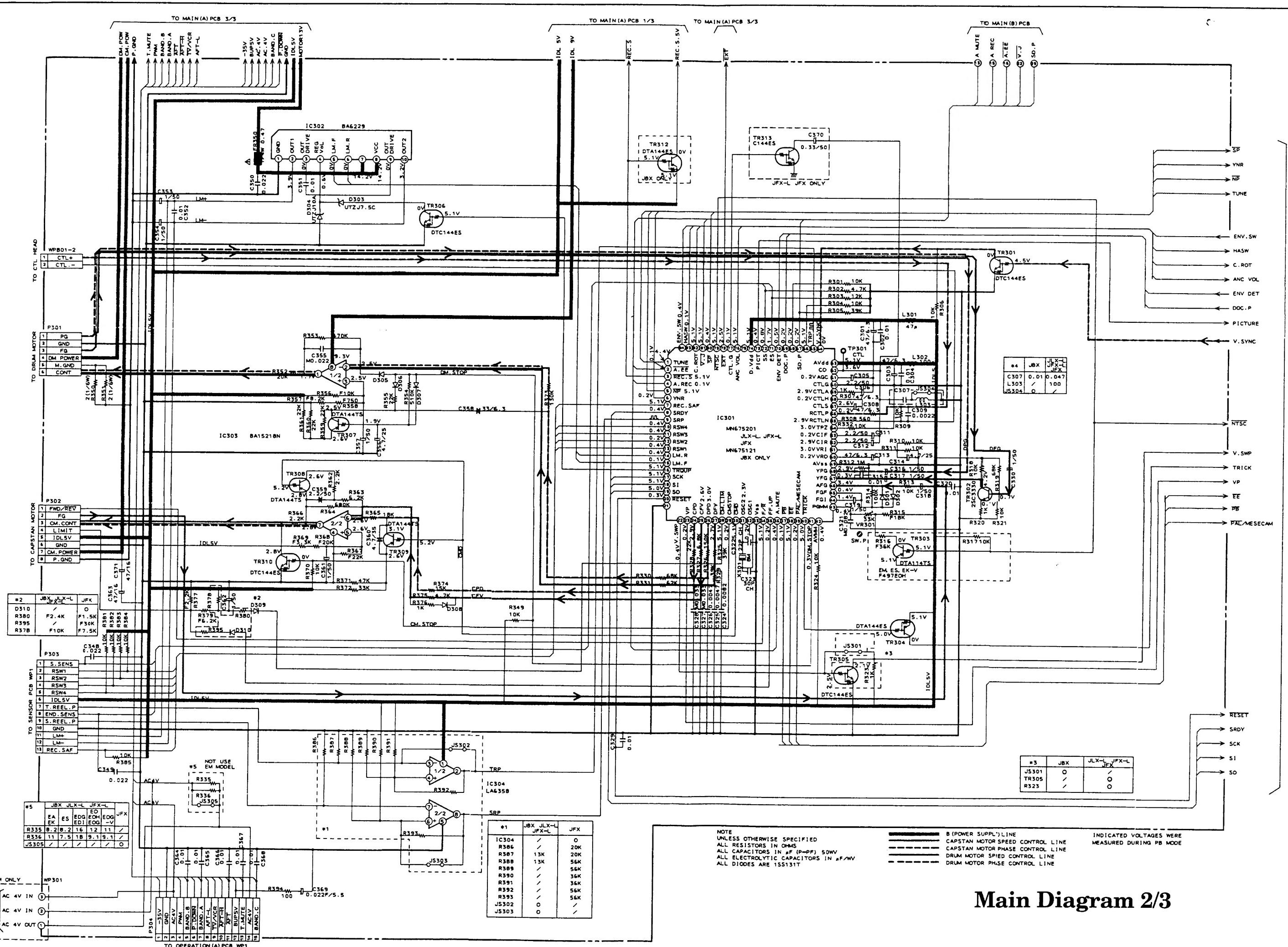


INDICATED VOLTAGES IN THE SUB PCB WERE MEASURED IN PB MODE.
(CONNECTED DC VOLTMETER'S GROUND TO THE P1 (1) PIN WHEN MEASURED)

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/6W(J)
ALL CAPACITORS IN μ F (M)

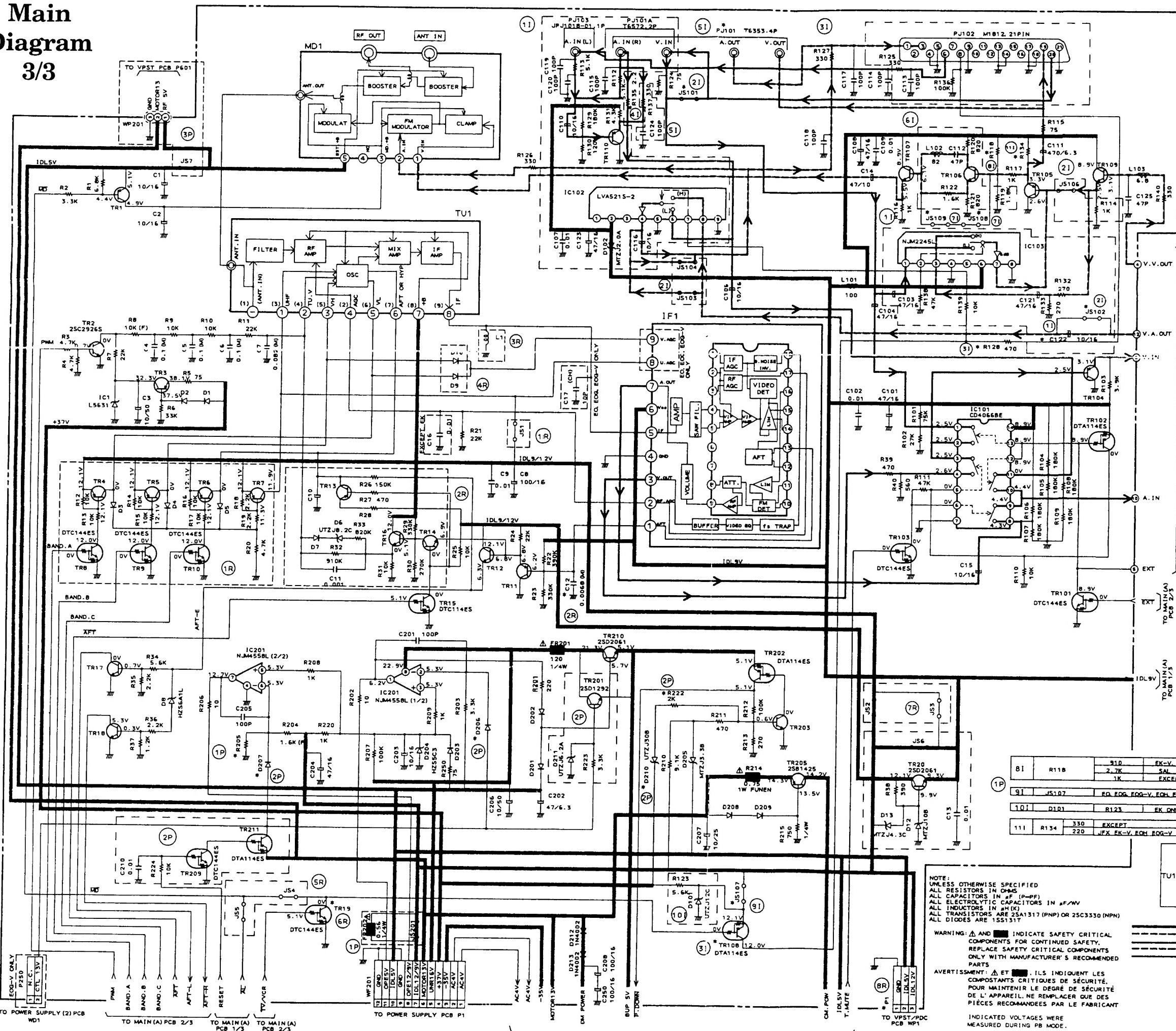
Main Diagram





Main Diagram 2/3

Main Diagram 3/3



1R	TR5, TR5, TR7	25A1317	
	TR8, TR9	DTC144ES	EXCEPT
	R12, R13, R14, R15	10K	EK, EK-V
	R18, R19	2.2K	
	R20	4.7K	
	D5, D4	155131T	
	TR6	25A1317	
	TR10	DTC144ES	EOM ONLY
	R16, R17	10K	
	D5	155131T	
	JS1		EK, EK-V

2R	TR13	25A1317	EXCEPT EOM EOM ONLY
	R26	150K	
	R27	470	
	C10	1/50	EK, EK-V, EDG, EDG-V
		ED, ED, JDX-ES	
	R28	2.2/50	EA, EDG, EDI, JFK-ES
		910	ED, EDG, EDG-V, EK-V
		560	EA, EM, ES, JK, EDG, EDI
	TR14, TR16	25C1330	
	R29	330K	
	R30	270K	
	R31	10K	
	R32	910K	
	R33	820K	
	C11	0.001	
	C12	0.0068(M)	
	D7	155131T	

3R	L1	1.0	EA
		0.82	JFX-EOM
		0.68	EK, EK-V, EM
		NONE	EO, EOQ, EOQ-V, EDG, EDI, ES JBX-EOM, JLX-EOM

4R	D9, D10	ISS131T	EQ, EQG, EQG-V
5R	JS4 JS5	EA, EM EXCEPT EA, EM	7R JS2 JS3 EXCEPT EK-V EK-V ONLY

	GR	TR19	DTG144ES	EXCEPT ES. EDG. EDI
	BR	P1	PH 3P	EO, EOH, EDG, EOG-V, EK-V
1P	R205	1.3K(F) 2.2K(F)	EO, EOH, EDG, EOG-V, EK-V	EO, EOH, EDG, EOG-V, EK-V
	TR20	2SD2061	EA, EM, ES, EK, EDG, EDI	EA, EM, ES, EK, EDG, EDI
	C13	0.01		
	R3B	350	EO, EOH, EDG, EOG-V, EK-V	EO, EOH, EDG, EOG-V, EK-V
	D12	013	FR202	
	J56	J5201	EA, EM, ES, EK, EDG, EDI	EA, EM, ES, EK, EDG, EDI

	R222	2K	
	R223	3.3K	
	R224	10K	
2P	D205, D207	1S5131T	EOG, EOG-V
	D210	UTZJ50B	ONLY
	D211	UTZJ5.2A	
	TR201	ZSD129Z	
	TR209	DTC144ES	
	TR211	DTA114ES	
	C210	0.01	

3P	JS7	EXCEPT FOG FOG-V
	WP201	FOG FOG-V ONLY
	P250	FOG-V ONLY

	TR110	C121	JFX-
	IC102	C122	EK-V
	IC103	C123	EOH, EOG-V
	C105	R112	ONLY
	C106	R113	
	C107	R129	C115
	C110	R130	EOG-V
	C115	R131	'H BLK
	C116	R132	D102
	C119	R133	R139
11			P101A

21	JS101	JS104	EXCEPT JFX EK-V EOH, EOG-Y
	JS102	JS106	
	JS103	R114	
31	P_J102	R125	EK, EO, EOG EK-V, EOG-V EOH
	C112	R128	
	C114	R136	

41	R135	JBX, JLX- EK, EO, EOG, EDL, EK-V, EOG-V ITEM
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		EO, EOG	
SI	PJ101 C124	R137	EA, EDG, EM ES, EDI

61	C112	R122	SAL
	R119	L102	
	R120	TR106	

71	JS108	JS109	EXCEPT SAL
	I B X	I I X	I E X

VTSS6AZ EA	←	←
TERR1-001A	←	←
TERR1-008A	←	←
VTSB6CZ	←	←

FRV-5/ABSP1		TERZ1-001B
OG-Y	TERF1-007B	← ←
TUM/F3S-292	TERZ1-004A	←

NOTE:
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS
ALL CAPACITORS IN μ F (μ -PF)
ALL ELECTROLYTIC CAPACITORS IN μ H/WV
ALL INDUCTORS IN μ H (K)
ALL TRANSISTORS ARE 2SA1317 (PNP) OR 2SC3330 (NPN)

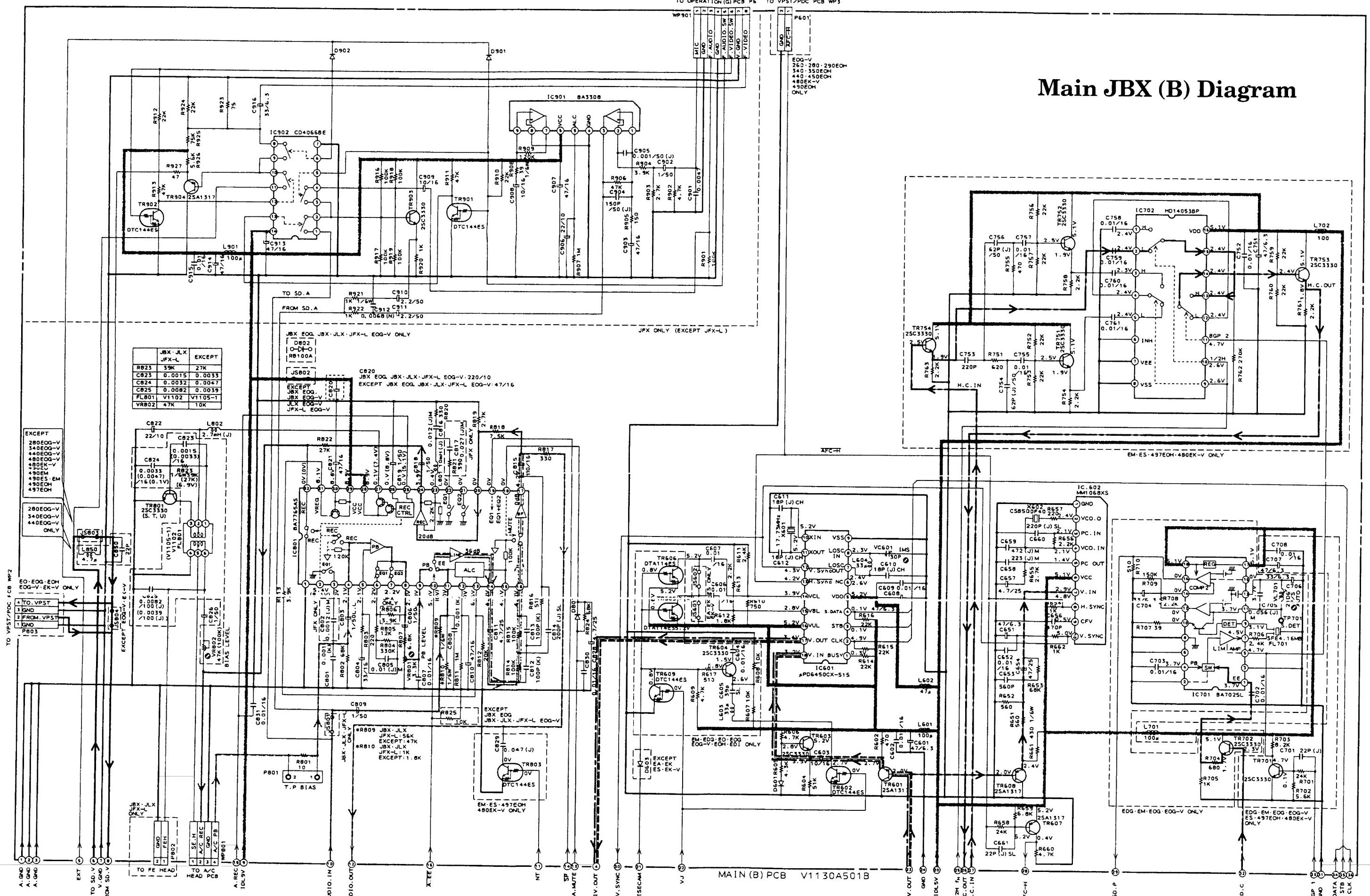
WARNING: **▲** AND **■** INDICATE SAFETY CRITICAL
COMPONENTS FOR CONTINUED SAFETY.
REPLACE SAFETY CRITICAL COMPONENTS
ONLY WITH MANUFACTURER'S RECOMMENDED
PARTS.

AVERTISSEMENT: A ET B, ILS INDIQUENT LES COMPOSTANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DÉGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

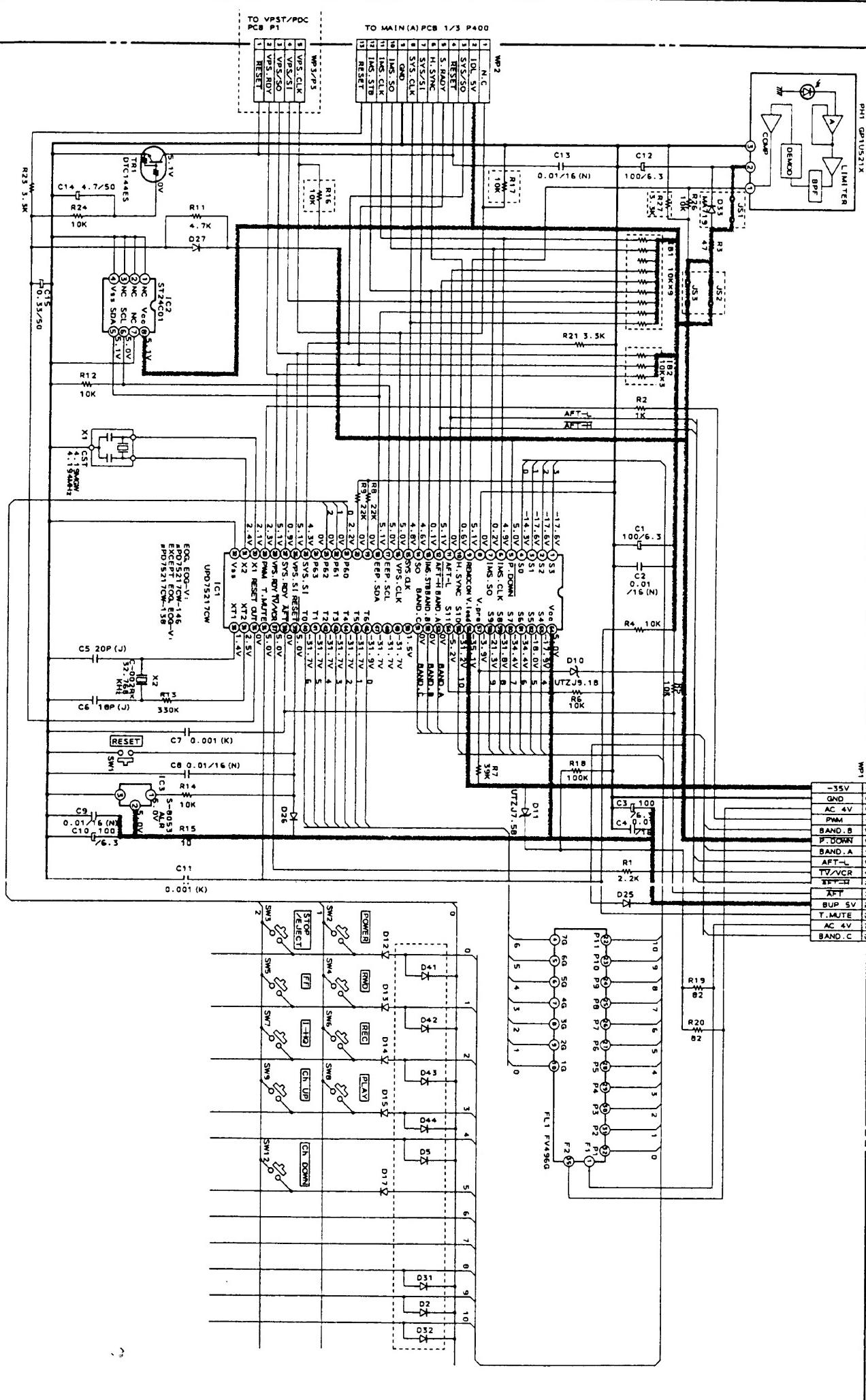
MEASURED VOLTAGES WERE
MEASURED DURING PB MODE.

B (POWER SUPPLY) LINE	YAA21-0453	EA
AUDIO OUT (E-E, PB) LINE	YAA21-0454	EM
AUDIO IN (E-E, REC) LINE	FNC6725	EQ, EGG, EGG-V, EDH
VIDEO OUT (E-E, PB) LINE	EKC6726	EK, EK-V
VIDEO IN (E-E, REC) LINE	MOK-KB8013B	ES
	MOK-KB8033A	EDQ
	MOK-KGE765A	EDI

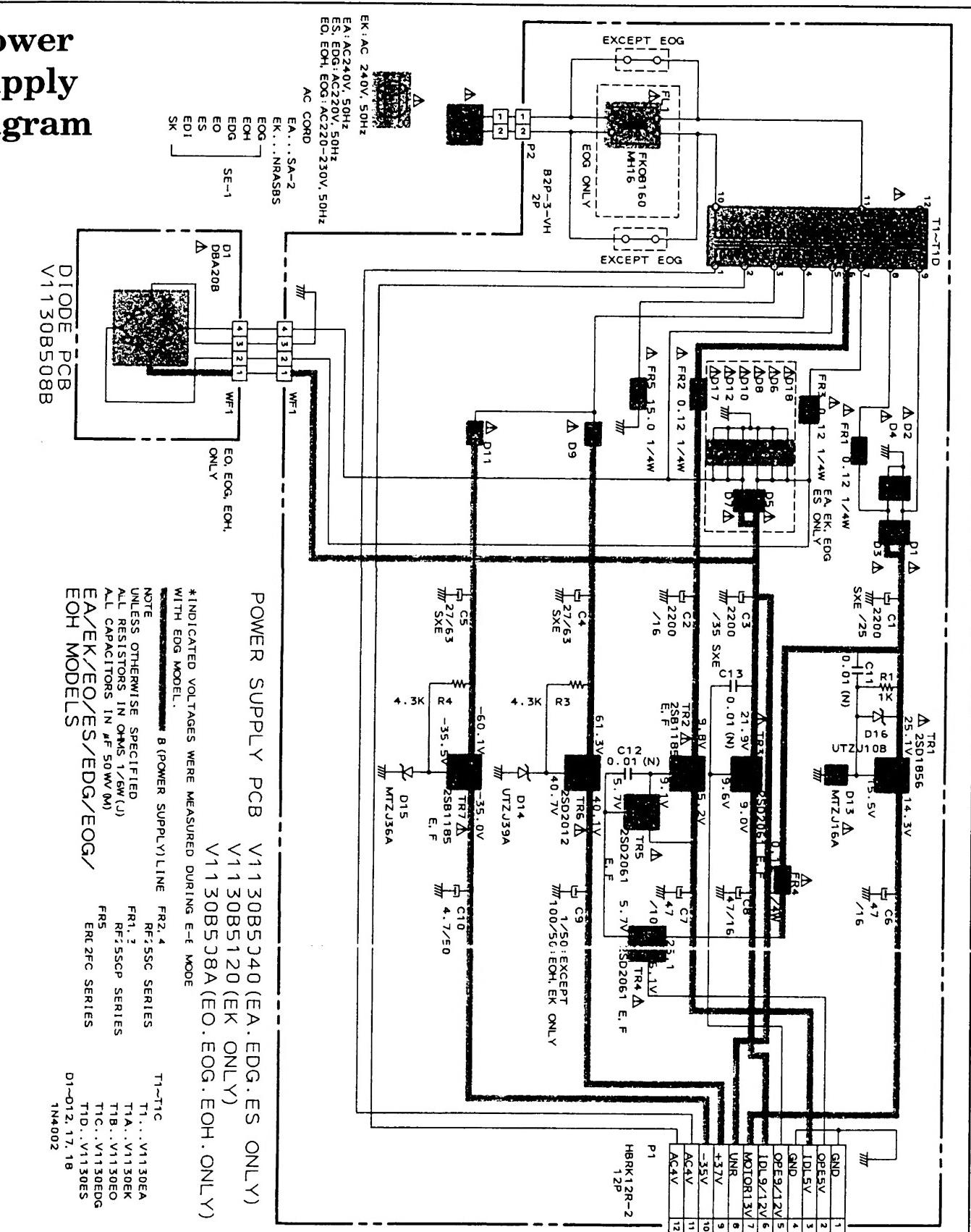
JBX
MAIN(A) 3/3



Main JBX (B) Diagram



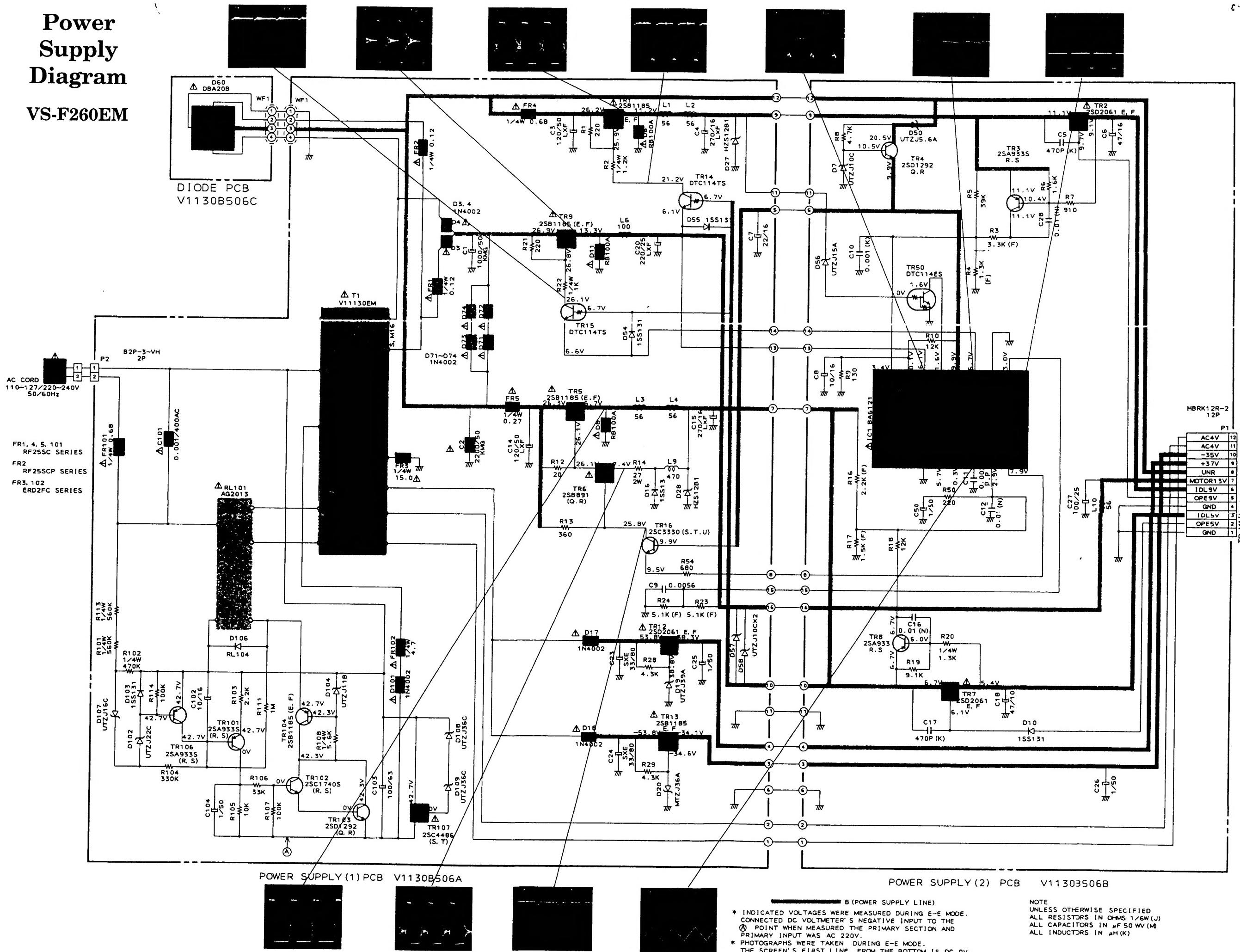
Power Supply Diagram



Operations JBX (A) Diagram

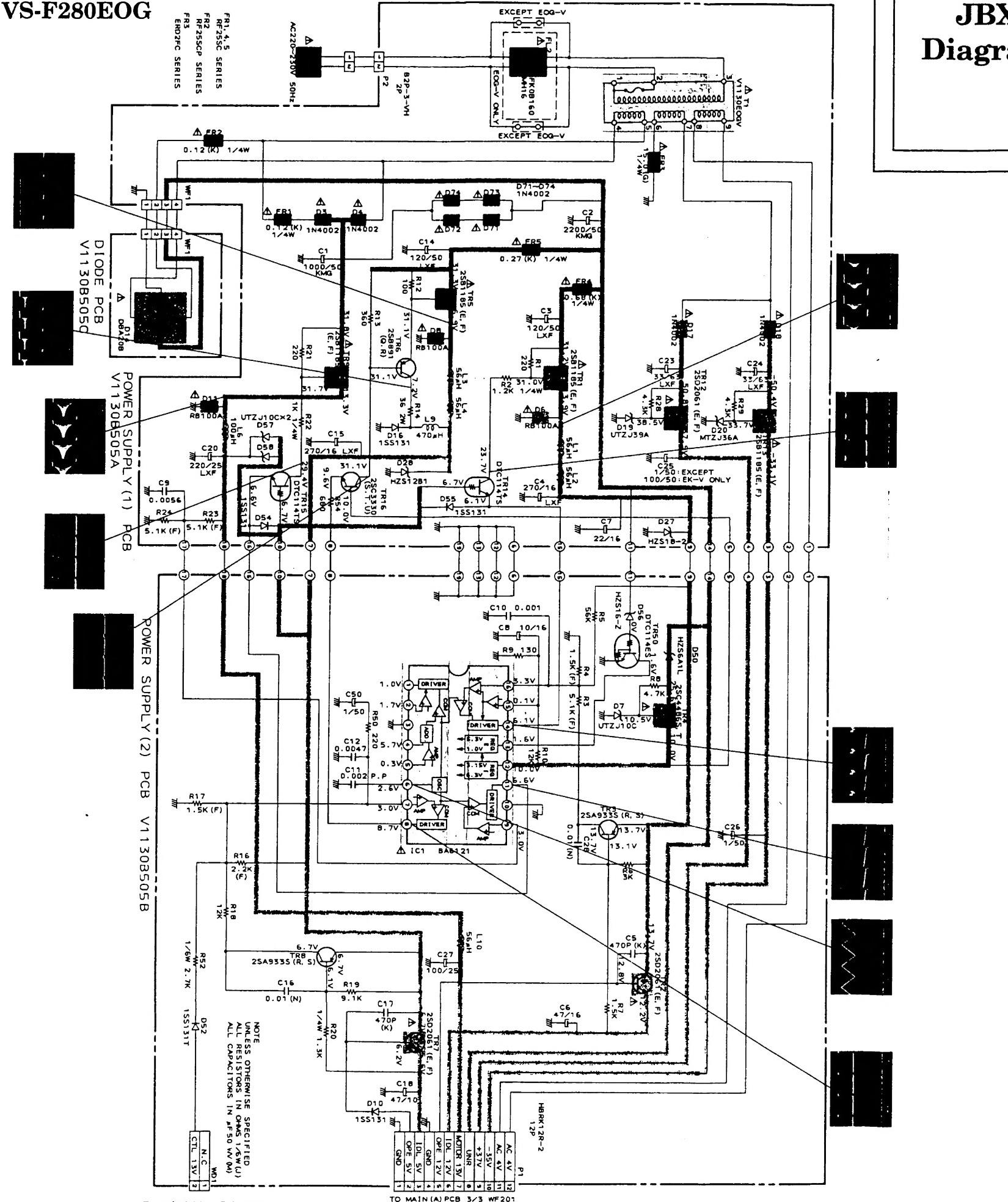
Power Supply Diagram

VS-F260EM

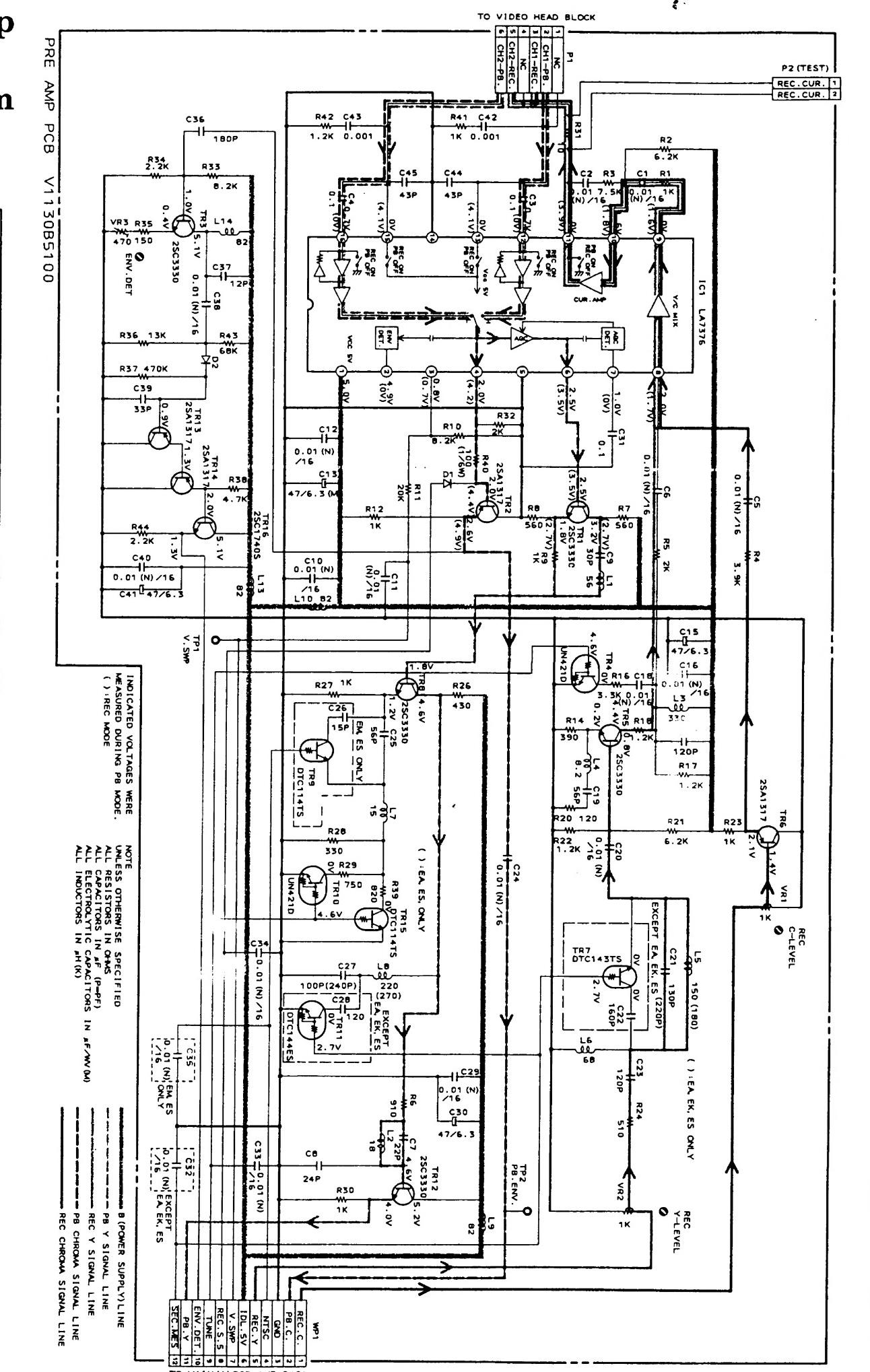


Power Supply Diagram

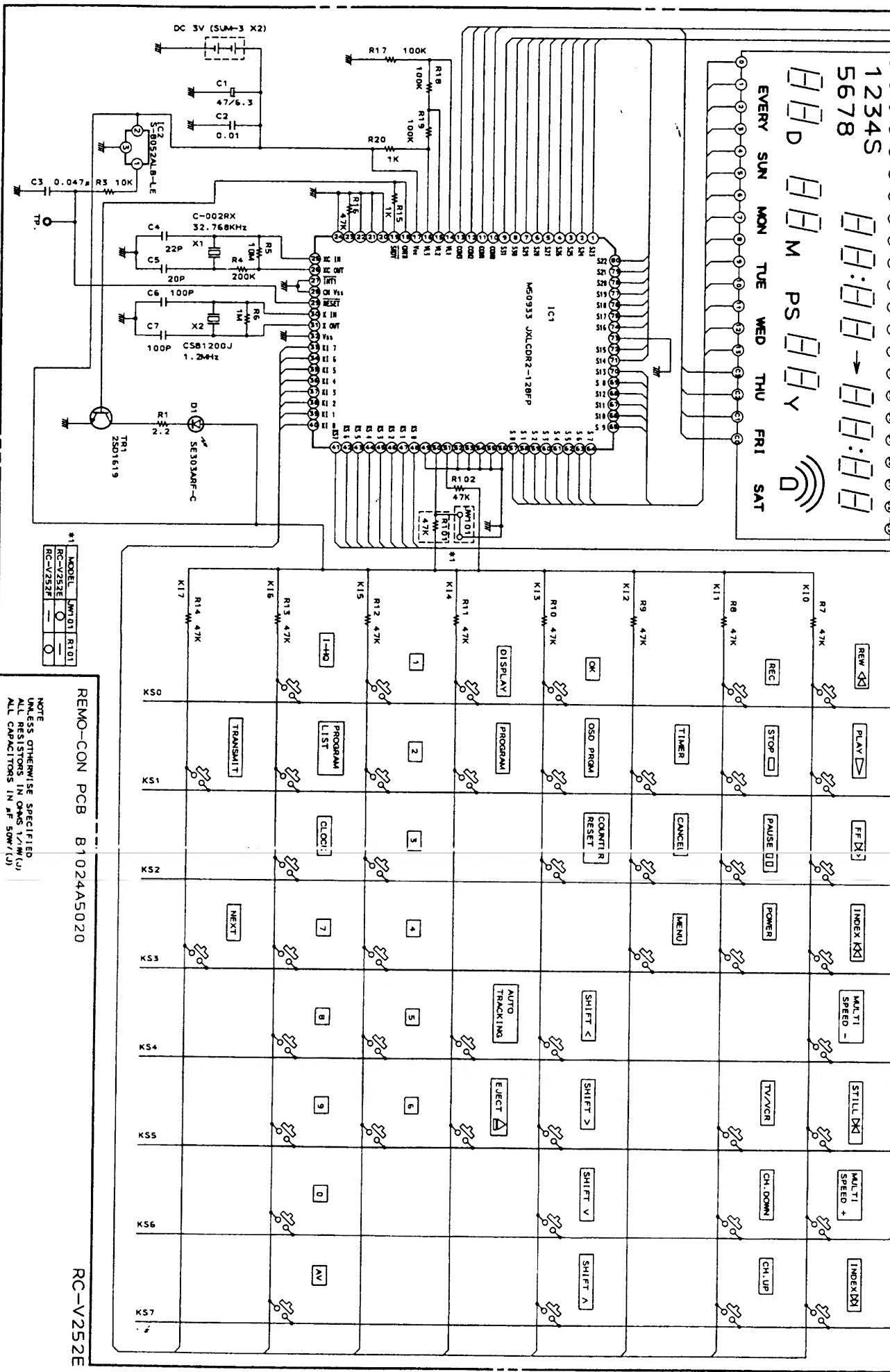
VS-F280EOG



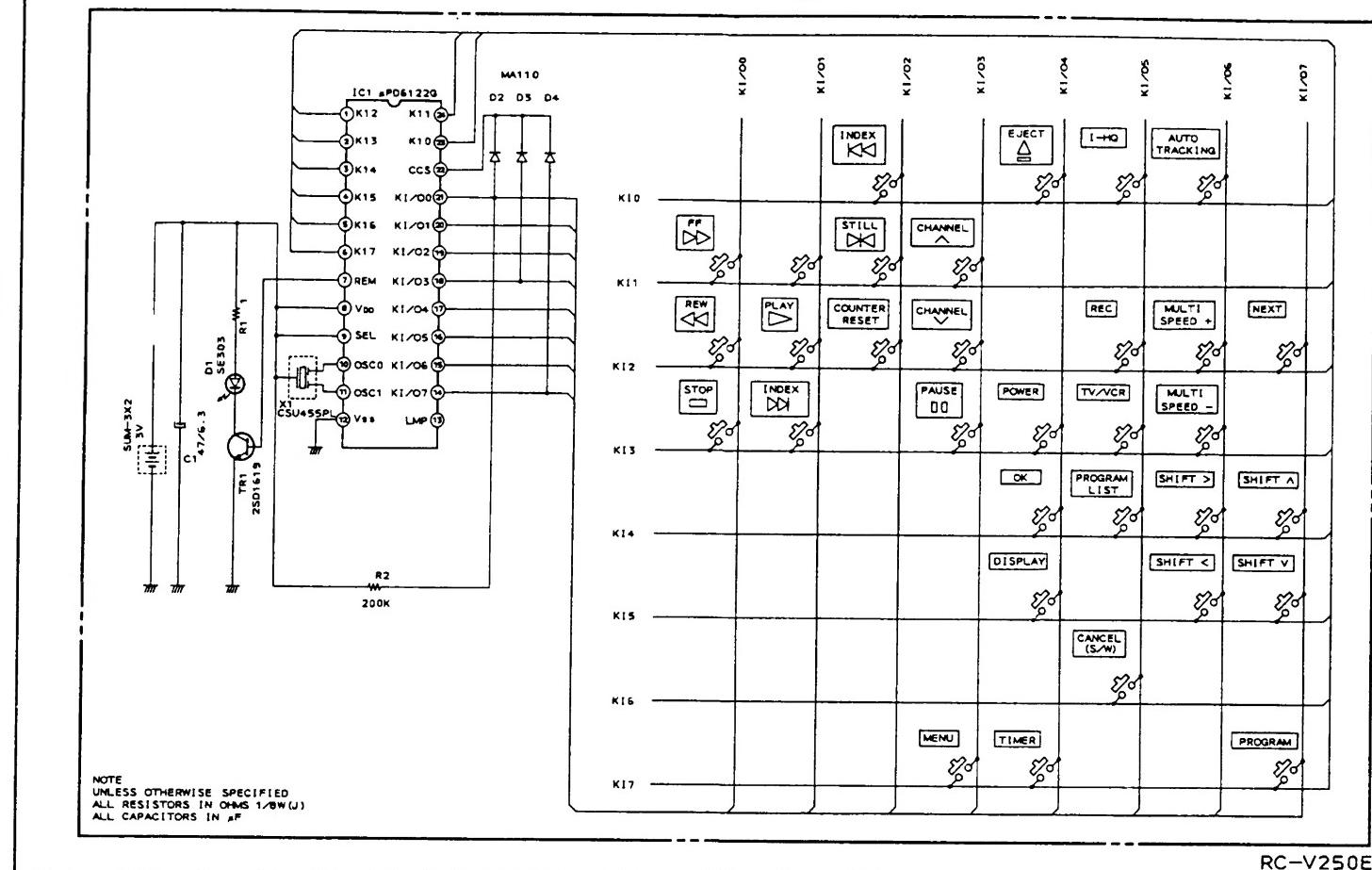
Pre Am JBX Diagram



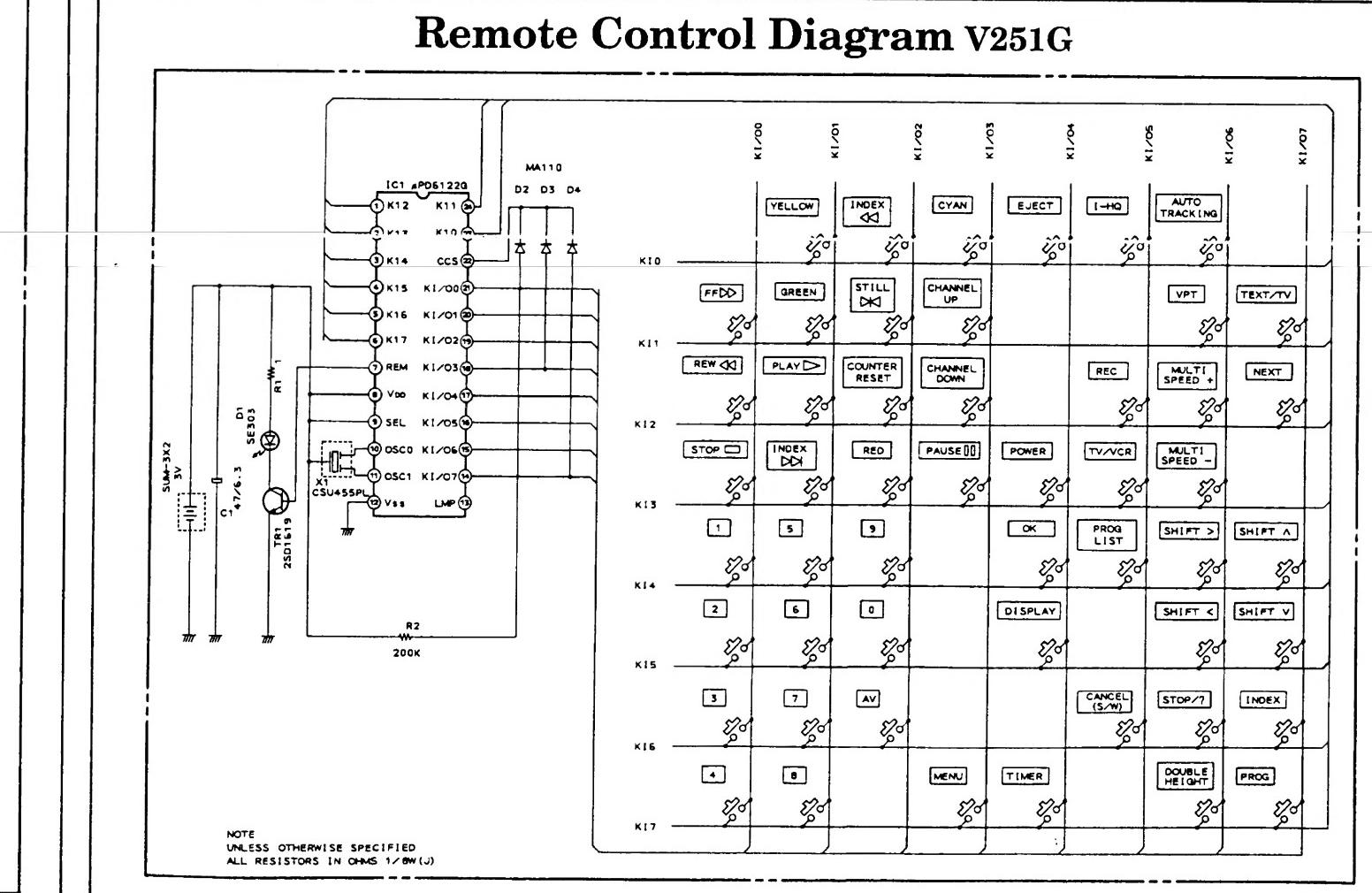
Remote Control Unit Diagram



Remote Control Diagram V250E

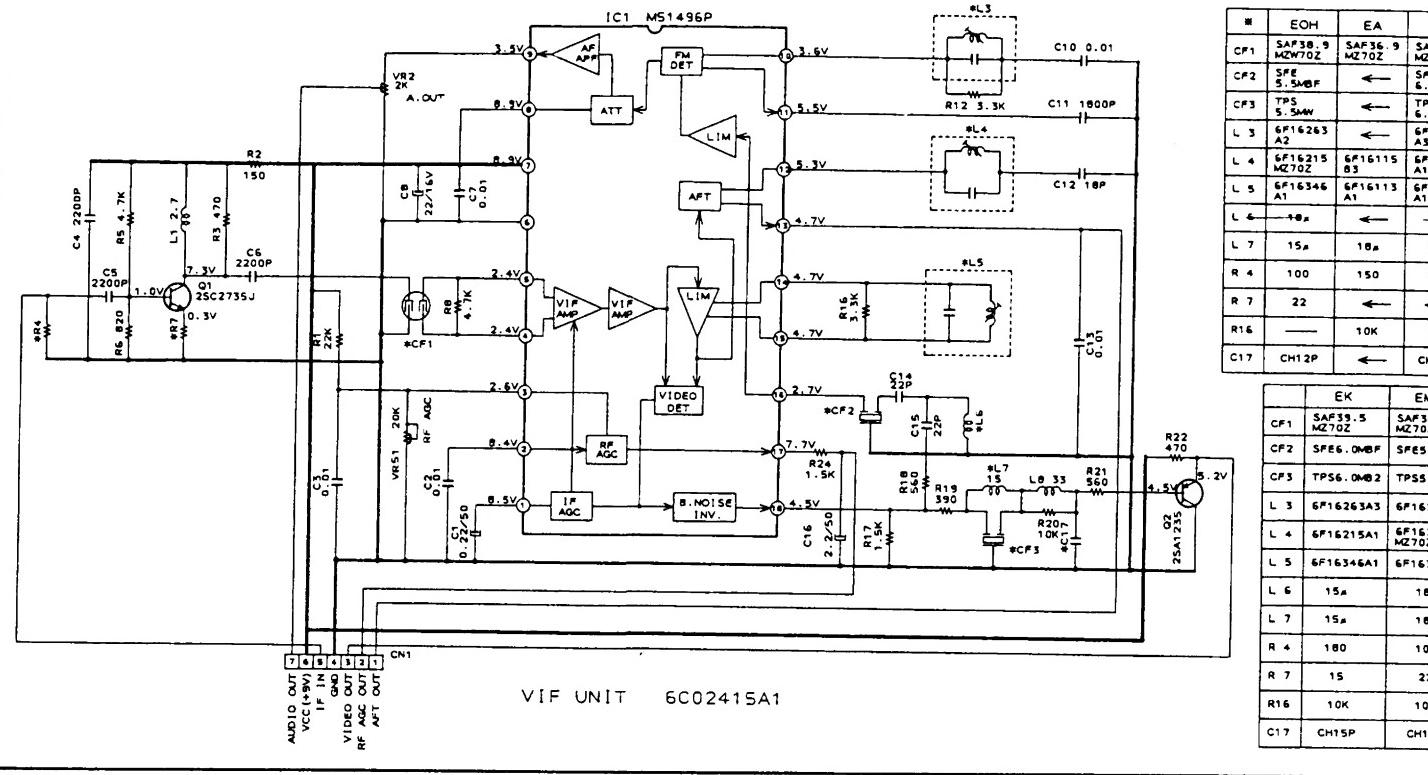
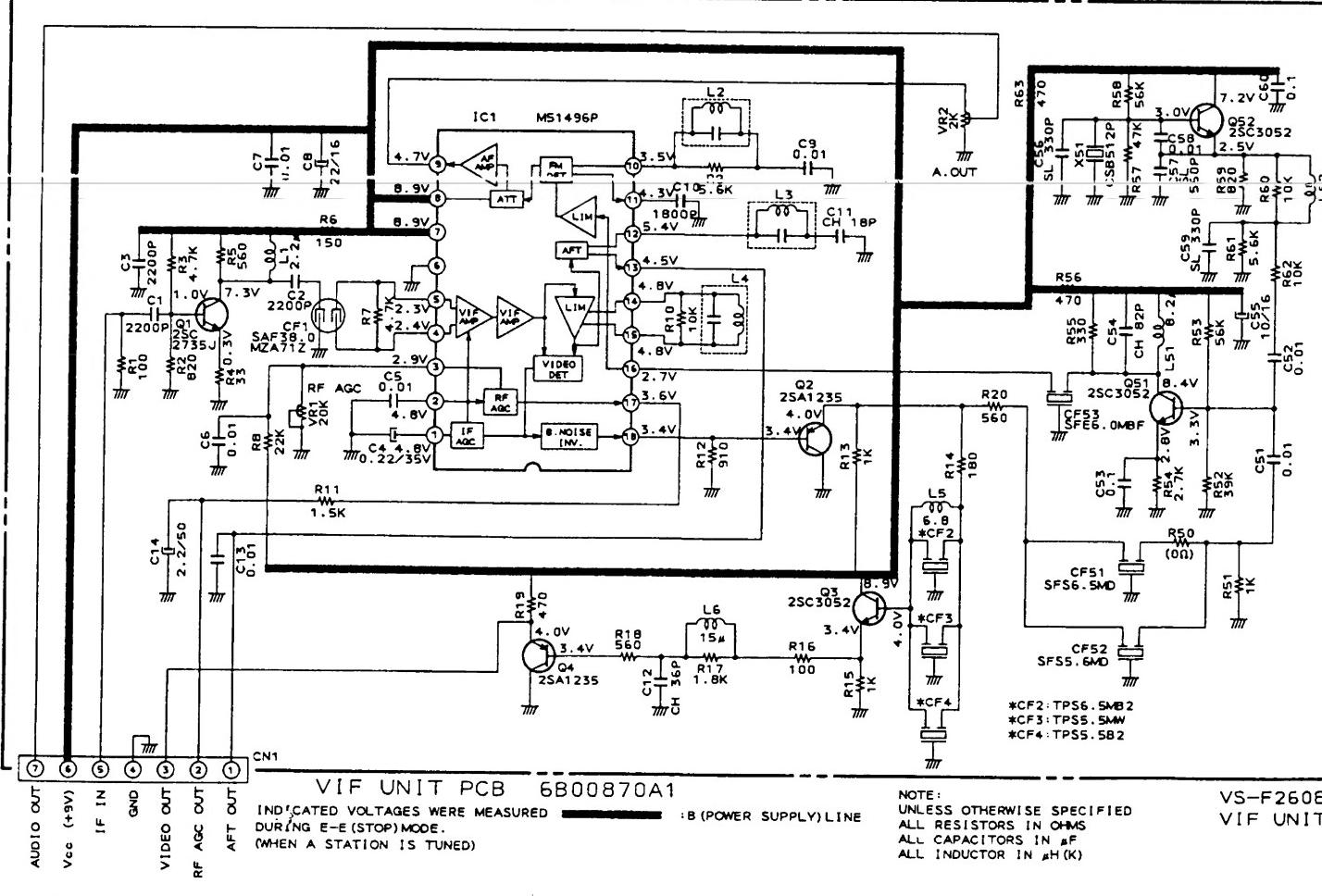
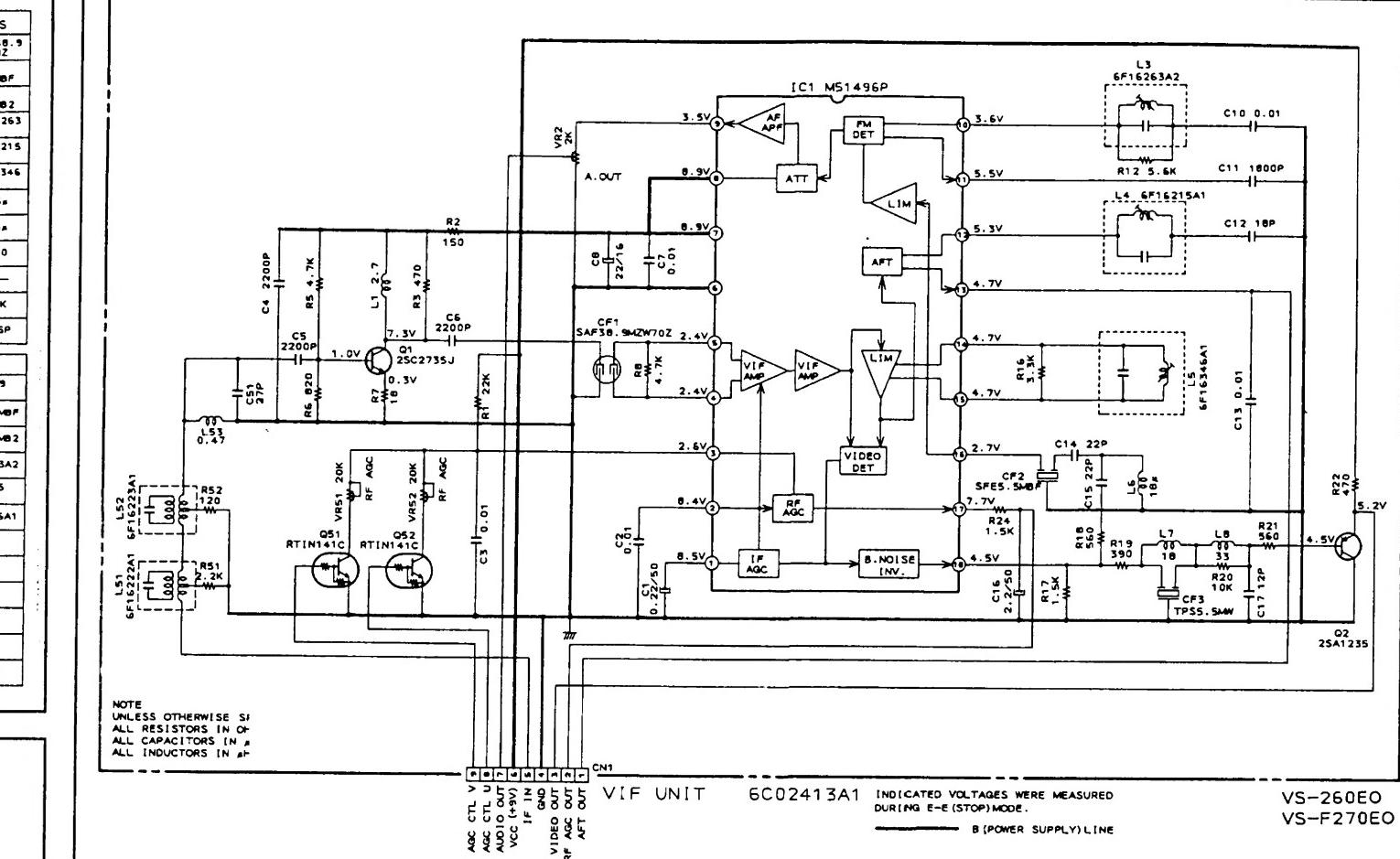


Remote Control Diagram V251G

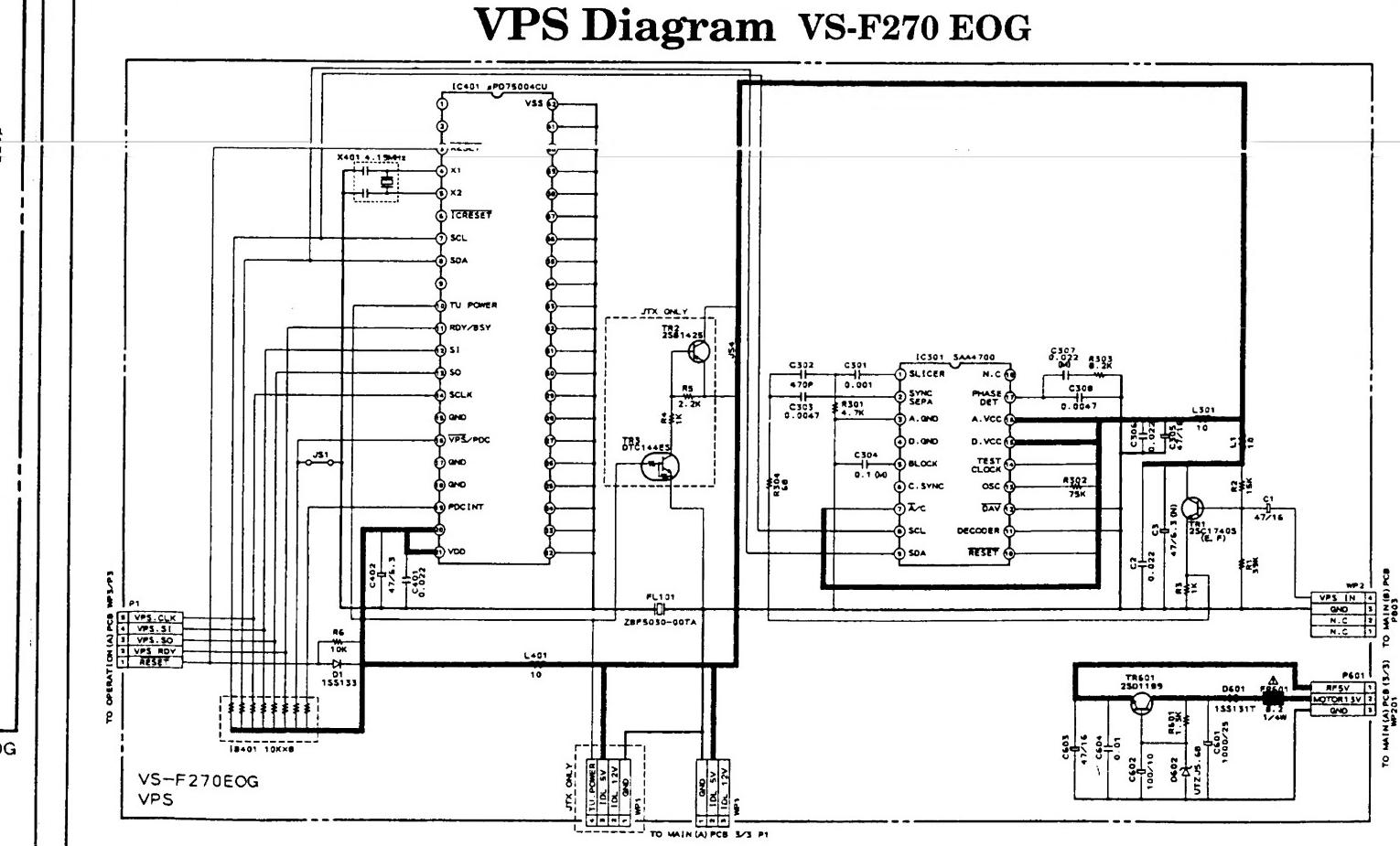


VIF Unit Diagram

EA/EK/EM/EOH/ES

VIF Unit Diagram
VS-F260EDGVIF Unit Diagram
VS-F260 EO / VS-F270EO/F280EO/EOG-V

VPS Diagram VS-F270 EOG



**VPST/PDC
Diagram
VS-F280 EOG-V**

